

Index for Volume 51 (1980)

This index is composed of the following three subindexes: I. Bibliographical Index; II. Author Index; and III. Topic Index.

Entries in the bibliographical index have been indexed by the last name of the author or, in the case of multiple authors, by the last name of the first author. Reference information includes the name(s) of the author(s), title of the article, month of publication, and the page on which it begins.

The author index cites the name of each author included in the volume, followed by the month(s) of publication and the page(s) on which the article(s) begin.

In the topic index, each article is listed under those important subjects about which the article provides information. The numbers refer to the initial page of the article in which the topic is discussed.

I. BIBLIOGRAPHICAL INDEX

- Anshell, Mark H., and Singer, Robert N. Effect of learner strategies with modular versus traditional instruction on motor skill learning and retention. Oct. 451.
- Atwater, Anne E. Kinesiology/biomechanics: Perspectives and trends. Mar. 193.
- Baltrusaitis, Susan E. (Genuario). Relationship of isokinetic torque at two speeds to the vertical jump. Dec. 593.
- Bard, Chantal, Fleury, Michelle, Carrière, Lise, and Hallé, Madeleine. Analysis of gymnastics judges' visual search. May 267.
- Barnes, William S. Relationship between maximum isokinetic strength and isokinetic endurance. Dec. 714.
- Belka, David E., and Williams, Harriet G. Canonical relationships among perceptual-motor, perceptual, and cognitive behaviors in children. Oct. 463.
- Blair, Steven N., Blair, Aaron, Howe, Henry G., Pate, Russell, Rosenberg, Morton, and Parker, Gwynne M. Leisure time physical activity and job performance. Dec. 718.
- Constable, Stefan H., Krahenbuhl, Gary S., and Ruppert, Keith D. Portable system for the rapid calculation of metabolic data. Oct. 559.
- Cox, Richard H. Response times of slide and cross-over steps as used by volleyball players. Oct. 562.
- Darst, Paul W., and Steeves, Doug. Competency-based approach to secondary student teaching in physical education. May 274.
- Dishman, Rod K. Influence of response distortion in assessing self-perceptions of physical ability and attitude toward physical activity. May 286.
- Dolgener, Forrest A., Spasoff, Thomas C., and St. John, Wendy. Body build and body composition of high ability female dancers. Dec. 599.
- Dotson, Charles O. Logic of questionable density. Mar. 23.
- Elliott, B. C., Blanksby, B. A., and Ellis, R. Vibration and rebound velocity characteristics of conventional and oversized tennis rackets. Dec. 608.
- Farrell, Peter A., Wilmore, Jack H., and Coyle, Edward F. Exercise heart rate as a predictor of running performance. May 417.
- Foster, Carl, Costill, David L., and Fink, William J. Gastric emptying characteristics of glucose and glucose polymer solutions. May 299.
- Franklin, Barry A., Hodgson, James, and Buskirk, Elsworth. Relationship between percent maximal O_2 uptake and percent maximal heart rate in women. Dec. 616.
- Gehlsen, Gale M., and Seger, Andrea. Selected measures of angular displacement, strength, and flexibility in subjects with and without shin splints. Oct. 478.
- Hall, Evelyn Gay. Comparison of postperformance state anxiety of internals and externals following failure or success on a simple motor task. May 306.
- Hartley-O'Brien, Sandra J. Six mobilization exercises for active range of hip flexion. Dec. 625.
- Heyward, Vivian. Relative endurance of high- and low-strength women. Oct. 486.

Index for Volume 51 (1980)

This index is composed of the following three subindexes: I. Bibliographical Index; II. Author Index; and III. Topic Index.

Entries in the bibliographical index have been indexed by the last name of the author or, in the case of multiple authors, by the last name of the first author. Reference information includes the name(s) of the author(s), title of the article, month of publication, and the page on which it begins.

The author index cites the name of each author included in the volume, followed by the month(s) of publication and the page(s) on which the article(s) begin.

In the topic index, each article is listed under those important subjects about which the article provides information. The numbers refer to the initial page of the article in which the topic is discussed.

I. BIBLIOGRAPHICAL INDEX

- Anshell, Mark H., and Singer, Robert N. Effect of learner strategies with modular versus traditional instruction on motor skill learning and retention. Oct. 451.
- Atwater, Anne E. Kinesiology/biomechanics: Perspectives and trends. Mar. 193.
- Baltrusaitis, Susan E. (Genuario). Relationship of isokinetic torque at two speeds to the vertical jump. Dec. 593.
- Bard, Chantal, Fleury, Michelle, Carrière, Lise, and Hallé, Madeleine. Analysis of gymnastics judges' visual search. May 267.
- Barnes, William S. Relationship between maximum isokinetic strength and isokinetic endurance. Dec. 714.
- Belka, David E., and Williams, Harriet G. Canonical relationships among perceptual-motor, perceptual, and cognitive behaviors in children. Oct. 463.
- Blair, Steven N., Blair, Aaron, Howe, Henry G., Pate, Russell, Rosenberg, Morton, and Parker, Gwynne M. Leisure time physical activity and job performance. Dec. 718.
- Constable, Stefan H., Krahenbuhl, Gary S., and Ruppert, Keith D. Portable system for the rapid calculation of metabolic data. Oct. 559.
- Cox, Richard H. Response times of slide and cross-over steps as used by volleyball players. Oct. 562.
- Darst, Paul W., and Steeves, Doug. Competency-based approach to secondary student teaching in physical education. May 274.
- Dishman, Rod K. Influence of response distortion in assessing self-perceptions of physical ability and attitude toward physical activity. May 286.
- Dolgener, Forrest A., Spasoff, Thomas C., and St. John, Wendy. Body build and body composition of high ability female dancers. Dec. 599.
- Dotson, Charles O. Logic of questionable density. Mar. 23.
- Elliott, B. C., Blanksby, B. A., and Ellis, R. Vibration and rebound velocity characteristics of conventional and oversized tennis rackets. Dec. 608.
- Farrell, Peter A., Wilmore, Jack H., and Coyle, Edward F. Exercise heart rate as a predictor of running performance. May 417.
- Foster, Carl, Costill, David L., and Fink, William J. Gastric emptying characteristics of glucose and glucose polymer solutions. May 299.
- Franklin, Barry A., Hodgson, James, and Buskirk, Elsworth. Relationship between percent maximal O_2 uptake and percent maximal heart rate in women. Dec. 616.
- Gehlsen, Gale M., and Seger, Andrea. Selected measures of angular displacement, strength, and flexibility in subjects with and without shin splints. Oct. 478.
- Hall, Evelyn Gay. Comparison of postperformance state anxiety of internals and externals following failure or success on a simple motor task. May 306.
- Hartley-O'Brien, Sandra J. Six mobilization exercises for active range of hip flexion. Dec. 625.
- Heyward, Vivian. Relative endurance of high- and low-strength women. Oct. 486.

- Jackson, Allen, Jackson, Andrew S., and Bell, John. Comparison of alpha and the intraclass reliability coefficients. Oct. 568.
- Jain, P. C. On a discrepancy in track races. May 432.
- Katch, Frank I., and Katch, Victor L. Measurement and prediction errors in body composition assessment and the search for the perfect prediction equation. Mar. 249.
- Kelley, E. James, and Lindsay, Carl A. A comparison of knowledge obsolescence of graduating seniors and practitioners in the field of physical education. Dec. 636.
- Kelly, John M., Serfass, Robert C., and Stull, G. Alan. Elicitation of maximal oxygen uptake from standing bicycle ergometry. May 315.
- Kroll, Walter, Clarkson, Priscilla M., Kamen, Gary, and Lambert, Jean. Muscle fiber type composition and knee extension isometric strength fatigue patterns in power- and endurance-trained males. May 232.
- Landers, Daniel M. Arousal-performance relationship revisited. Mar. 77.
- Lee, Amelia M. Child-rearing practices and motor performance of black and white children. Oct. 494.
- Lofthus, Geraldine Klimovitch, and Hanson, Cheryl. Influence of laterality and fatigue upon the performance of a two-handed reaction task. Oct. 501.
- Loy, John W., Kenyon, Gerald S., and McPherson, Barry D. Emergence and development of the sociology of sport as an academic specialty. Mar. 91.
- Mann, Ralph, and Sprague, Paul. Kinetic analysis of the ground leg during sprint running. May 334.
- Marlowe, Mike. Games analysis intervention: A procedure to increase peer acceptance of socially isolated children. May 422.
- McElroy, Mary A., and Kirkendall, Don R. Significant others and professionalized sport attitudes. Dec. 645.
- McGrain, Peter. Trends in selected kinematic and myoelectric variables associated with learning a novel motor task. Oct. 509.
- Miller, Doris I. Body segment contributions to sport skill performance: Two contrasting approaches. Mar. 219.
- Montoye, Henry J., and Washburn, Richard. Research Quarterly contributors: An academic genealogy. Mar. 261.
- Morgan, William P. Trait psychology controversy. Mar. 50.
- Park, Roberta J. The Research Quarterly and its antecedents. Mar. 1.
- Parkhouse, Bonnie L., and Holmen, Milton G. Differences in job satisfaction among suburban and inner-city high school physical education faculty. Dec. 654.
- Pollock, Michael L., Jackson, Andrew S., and Pate, Russell R. Discriminant analysis of physiological differences between good and elite distance runners. Oct. 521.
- Powers, Scotty K., Riley, William, and Howley, Edward T. Comparison of fat metabolism between trained men and women during prolonged aerobic work. May 427.
- Puhl, Jacqueline L., and Runyan, William S. Hematological variations during aerobic training of college women. Oct. 533.
- Rarick, G. Lawrence. Cognitive-motor relationships in the growing years. Mar. 174.
- Reeve, T. Gilmour, and Cone, Stephen L. Coding of learned kinesthetic location information. May 349.
- Riddle, Patricia K. Attitudes, beliefs, behavioral intentions, and behaviors of women and men toward regular jogging. Dec. 663.
- Robertson, Mary Ann, Williams, Kathleen, and Langendorfer, Stephen. Prolongitudinal screening of motor development sequences. Dec. 724.
- Safrit, Margaret J., and Stamm, Carol L. Reliability estimates for criterion-referenced measures in the psychomotor domain. May 359.
- Sage, George H. Sociology of physical educator coaches: Personal attributes controversy. Mar. 110.
- Salmoni, Alan W. Effect of precision of knowledge of results on the performance of a simple line drawing task for children and adults. Oct. 572.
- Saunders, Les, Johnson, Stan, and Dowell, Linus J. Construction of an inexpensive internal timing device for film speed determination. Oct. 576.
- Scanlan, Tara K., and Passer, Michael W. Attributional responses of young female athletes after winning, tying, and losing. Dec. 675.
- Schmidt, Richard A. Past and future issues in motor programming. Mar. 122.
- Schutz, Robert W. Sport and mathematics: A definition and delineation. Mar. 37.
- Shea, Charles H. Effects of extended practice and movement time on motor control of a coincident timing task. May 369.

- Skinner, James S., and McLellan, Thomas H. Transition from aerobic to anaerobic metabolism. Mar. 234.
- Smith, Stephen L. J., Stewart, Terry O., and Brown, Barbara A. Open-ended participation questions in sport and physical recreation surveys: A possible sex bias. Dec. 732.
- Sonstroem, Robert J., and Kampper, Kenneth P. Prediction of athletic participation in middle school males. Dec. 685.
- Sparling, Phillip B. Meta-analysis of studies comparing maximal oxygen uptake in men and women. Oct. 542.
- Stamm, Carol Lee, and Moore, Joyce E. Application of generalizability theory in estimating the reliability of a motor performance test. May 382.
- Stelmach, George E., and Larish, Douglas D. New perspective on motor skill automation. Mar. 141.
- Thomas, Jerry R. Acquisition of motor skills: Information processing differences between children and adults. Mar. 158.
- Tolson, Homer. Adjunct to statistical significance: ω^2 . Oct. 580.
- Vertinsky, Patricia A., and Thompson, William A. Cross-impact computer simulation of physical education program priorities: A systems perspective. May 389.
- Vickers, Joan, Lashuk, Michael, and Tacrum, Terry. Differences in attitude toward the concepts "male," "female," "male athlete," and "female athlete." May 407.
- Washburn, Richard, Chin, Ming Kai, and Montoye, Henry J. Accuracy of pedometer in walking and running. Dec. 695.
- Westcott, Wayne L. Effects of teacher modeling on children's peer encouragement behavior. Oct. 585.
- Whittaker-Bleuler, Sharon A. Detection of nonverbal winning and losing behavior in sport. May 437.
- Williams, Kathleen. Developmental characteristics of a forward roll. Dec. 703.
- Yu, Jih-Min, and Mendell, Ron. Development and utility of a leisure behavior index. Oct. 553.

II. AUTHOR INDEX

After the name of each author are the month(s) of publication and the page(s) on which the article(s) begin.

A

Anshell, Mark H., Oct. 451
Atwater, Anne E., Mar. 193

B

Baltrusaitis, Susan E., Dec. 593
Bard, Chantal, May 267
Barnes, William S., Dec. 714
Belka, David E., Oct. 463
Bell, John, Oct. 568
Blair, Aaron, Dec. 718
Blair, Steven N., Dec. 718
Blanksby, B. A., Dec. 608
Brown, Barbara A., Dec. 732
Buskirk, Elsworth, Dec. 616

C

Carrière, Lise, May 267
Chin, Ming Kai, Dec. 695
Clarkson, Priscilla, May 323
Cone, Stephen L., May 349
Constable, Stefan H., Oct. 559
Costill, David L., May 299
Cox, Richard H., Oct. 562
Coyle, Edward F., May 417

D

Darst, Paul W., May 274
Dishman, Rod K., May 286
Dolgener, Forrest A., Dec. 593; 599
Dotson, Charles O., Mar. 23
Dowell, Linus J., Oct. 576

E

Elliott, B. C., Dec. 608
Ellis, R., Dec. 608

F

Farrell, Peter A., May 417
Fink, William J., May 299
Fleury, Michelle, May 267
Foster, Carl, May 299
Franklin, Barry A., Dec. 616

G

Gehlsen, Gale M., Oct. 478
Genuario, Susan E. (Baltrusaitis), Dec. 593

H

Hall, Evelyn Gay, May 306
Hallé, Madeleine, May 267
Hartley-O'Brien, Sandra J., Dec. 625
Hanson, Cheryl, Oct. 501
Heyward, Vivian, Oct. 486
Hodgson, James, Dec. 616
Holmen, Milton G., Dec. 654
Howe, Henry G., Dec. 718
Howley, Edward T., May 427

J

Jackson, Allen, Oct. 568
Jackson, Andrew S., Oct. 521; 568
Jain, P. C., May 432
Johnson, Stan, Oct. 576

K

Kamen, Gary, May 323
Kampper, Kenneth P., Dec. 685
Katch, Frank I., Mar. 249
Katch, Victor L., Mar. 249
Kelley, E. James, Dec. 636
Kelly, John M., May 315
Kenyon, Gerald S., Mar. 91
Kirkendall, Don R., Dec. 645
Krahenbuhl, Gary S., Oct. 559
Kroll, Walter, May 323

L

Lambert, Jean, May 232
Landers, Daniel M., Mar. 77
Langendorfer, Stephen, Dec. 724
Larish, Douglas D., Mar. 141
Lashuk, Michael, May 407
Lee, Amelia M., Oct. 494
Lindsay, Carl A., Dec. 636
Lofthus, Geraldine Klimovitch, Oct. 501
Loy, John W., Mar. 91

M

Mann, Ralph, May 334
Marlowe, Mike, May 422
McElroy, Mary A., Dec. 645
McGrain, Peter, Oct. 509
McLellan, Thomas H., Mar. 234
McPherson, Barry D., Mar. 91
Mendell, Ron, Oct. 553

Miller, Doris I., Mar. 219
 Montoye, Henry J., Mar. 261; Dec. 695
 Moore, Joyce E., May 382
 Morgan, William P., Mar. 50

P

Park, Roberta J., Mar. 1
 Parker, Gwynne M., Dec. 718
 Parkhouse, Bonnie L., Dec. 654
 Passer, Michael W., Dec. 675
 Pate, Russell R., Oct. 521; Dec. 718
 Pollock, Michael L., Oct. 521
 Powers, Scotty K., May 427
 Puhl, Jacqueline L., Oct. 533

R

Rarick, G. Lawrence, Mar. 174
 Reeve, T. Gilmour, May 349
 Riddle, Patricia K., Dec. 663
 Riley, William, May 427
 Robertson, Mary Ann, Dec. 724
 Rosenberg, Morton, Dec. 718
 Runyan, William S., Oct. 533
 Ruppert, Keith D., Oct. 559

S

Safrit, Margaret J., May 359
 Sage, George H., Mar. 110
 St. John, Wendy E., Dec. 599
 Salmoni, Alan W., Oct. 572
 Saunders, Les, Oct. 576
 Scanlan, Tara K., Dec. 675
 Schmidt, Richard A., Mar. 122
 Schutz, Robert W., Mar. 37
 Seger, Andrea, Oct. 478

Serfass, Robert C., May 315
 Shea, Charles H., May 369
 Singer, Robert N., Oct. 451
 Skinner, James S., Mar. 234
 Smith, Stephen L. J., Dec. 732
 Sonstroem, Robert J., Dec. 685
 Sparling, Phillip B., Oct. 542
 Spasoff, Thomas C., Dec. 599
 Sprague, Paul, May 334
 Stamm, Carol L., May 359; 382
 Steeves, Doug, May 274
 Stelmach, George E., Mar. 141
 Stewart, Terry O., Dec. 732
 Stull, G. Alan, May 315

T

Tactum, Terry, May 407
 Thomas, Jerry R., Mar. 158
 Thompson, William, May 389
 Tolson, Homer, Oct. 580

V

Vertinsky, Patricia A., May 389
 Vickers, Joan, May 407

W

Washburn, Richard, Mar. 261; Dec. 695
 Westcott, Wayne L., Oct. 585
 Whittaker-Bleuler, Sharon A., May 437
 Williams, Harriet G., Oct. 463
 Williams, Kathleen, Dec. 703; 724
 Wilmore, Jack H., May 417

Y

Yu, Jih-Min, Oct. 553

III. TOPIC INDEX

Each listing is followed by the month and the initial page number(s) of the article(s) in which the subject is discussed.

A

- AAHPERD and the *Research Quarterly*, Mar. 1
 academic achievement and perceptual-motor training, Mar. 174
 aerobic metabolism, transition from to anaerobic, Mar. 234
 aerobic training, hematological variations during, Oct. 533
 anaerobic metabolism, transition to from aerobic, Mar. 234
 Anniversary Issue, Mar.
 anxiety measurement and reduction, Mar. 77
 arousal-performance relationship, Mar. 77
 athletic participation, prediction of in young males, Dec. 685
 attention allocation, theories of, Mar. 141
 attitudes, authoritarian control, Oct. 494; professionalized sport, in children, Dec. 645; toward athletic participation among young males, Dec. 685; toward jogging, Dec. 663; toward "male," "female," and "athlete," May 407
 attributional response of female athletes to competition, Dec. 675
 authoritarian control attitudes, Oct. 494
 automation, motor skill, Mar. 141

B

- ballet dancers, Dec. 599
 baseball and mathematics, Mar. 37
 behavioral intentions toward jogging, Dec. 663
 bicycle ergometry, and max $\dot{V}O_2$, May 315
 biomechanics, history and scope, Mar. 193
 black and white children, differences in, Oct. 494
 body build and composition of dancers, Dec. 599
 body composition, assessment of, Mar. 249
 body segment contributions to skill performance, Mar. 219
 book reviews:
 Biomechanics of Women's Gymnastics, May 442
 Sport Pedagogy: Content and Methodology, May 441

C

- change strategies and beliefs about jogging, Dec. 663

- child-rearing practices and motor performance, Oct. 494
 children, socially isolated, and games analysis, May 422
 children's peer encouragement behavior, Oct. 585; motor performance, Oct. 494
 circumference measurements, Mar. 249
 coaches, sociology of, Mar. 110
 coding characteristics of kinesthetic location information, May 349
 cognitive behaviors, relationships with perceptual-motor and perceptual behaviors in children, Oct. 463
 cognitive-motor relationships, Mar. 174
 cognitive strategies, Mar. 50
 coincident timing task, May 369
 competency-based approach to student teaching, May 274
 competition, and anxiety, May 306; attributional responses of female athletes to, Dec. 675
 component approach to describing movement, Dec. 703
 computer simulation of PE priorities, May 389
 conditioning, effects of on women's $\dot{V}O_2$ max and HR max, Dec. 616
 criterion-referenced measures, May 359

D

- dancers, female, body build and composition of, Dec. 599
 developmental sequence, for motor skills, Dec. 724; of forward roll, Dec. 703
 drinks, athletic, May 299

E

- educational planning, and external environment, May 389
 employee work attitudes and activity, Dec. 718
 endurance, relationship to strength, Dec. 714; relative, of high- and low-strength women, Oct. 486
 exercise involvement, prediction of, Dec. 685
 exercise physiology, Mar. 234, 249

F

- fat metabolism during aerobic work, May 427
 fatigue, effect on reaction time, Oct. 501; patterns, and muscle fiber type, May 323

feedback, and coincident timing responses, May 369

female athletes, response to competition, Dec. 675

female: male differences, in attitude, May 407; in fat metabolism, May 427; in personality, Mar. 50; in $\dot{V}O_2$ max, Oct. 542

Fiftieth Anniversary Issue, Mar.

film speed determination, device for, Oct. 576

flexibility exercises, Dec. 625

flexion, hip, Dec. 625

football and mathematics, Mar. 37

forward roll, developmental characteristics of, Dec. 703

G

games analysis intervention, May 422

gastric emptying characteristics of glucose, May 299

generalizability theory, May 382

glucose and glucose polymer, in athletic drinks, May 299

gymnastics judges' visual search, May 267

H

heart rate, and $\dot{V}O_2$ max, Dec. 616; and exercise and running performance, May 417

hematological variations during aerobic training, Oct. 533

history, of *Research Quarterly*, Mar. 1

hydrostatic weighing, Mar. 249

I

information processing, differences between children and adults, Mar. 158

instructional methods, and motor skills, Oct. 451

intelligence, Mar. 174

iron deficiency, Oct. 533

isokinetic strength and endurance, Dec. 714

isokinetic torque, Dec. 593

isometric strength fatigue patterns, May 323

J

job performance and leisure time physical activity, Dec. 718

job satisfaction among PE teachers, Dec. 654

jogging, attitudes toward, Dec. 663

joint range of motion, Dec. 625

judging, gymnastics, May 267

juggling, Oct. 451

K

kicking, analysis of, Mar. 219

kinematic changes during skill acquisition, Oct. 509

kinesiology, Mar. 219; history and scope of, Mar. 193

kinesthetic location information, coding of, May 349

kinetic analysis, of sprinter's leg, May 334

knee extension strength, May 323

knowledge obsolescence, Dec. 636

knowledge of results, Mar. 158; and kinesthetic location information, May 349; effect of precision of on task performance, Oct. 572

L

laterality, effect on reaction time, Oct. 501

leadership styles, Mar. 110

leg flexion and extension, Dec. 593; leg, ground, during sprint running, May 334

leisure behavior index, Oct. 553

leisure time activity and job performance, Dec. 718

Locus of Control scale, Dec. 685; and state anxiety, May 306

logic density, Mar. 23

M

male/female differences, *see* female/male differences

mass-spring model, Mar. 122

mathematics and sport, Mar. 37

maximal oxygen uptake, May 315; in men and women, Oct. 542; relationship with HR max, Dec. 616

measurement design, Mar. 23, 37

measurement, portable system for calculating metabolic data, Oct. 559

memory, control processes, Mar. 158

meta-analysis, Oct. 542

metabolic data, portable system for calculation of, Oct. 559

mobility exercises and hip flexion, Dec. 625

modern dancers, Dec. 599

modular instruction, of motor skills, Oct. 451

motor abilities, nature and structure of, Mar. 174; behavior, Mar. 141, 122; development, Mar. 158, 174; developmental sequences, Dec. 703, 724; performance and child-rearing practices, Oct. 494; programs, structure of, Mar. 122

motor skills, acquisition of, Mar. 158; analysis of, Dec. 703; automation, Mar. 141; development of, Dec. 724; learning and retention, Oct. 451; learning of and precision of KR, Oct. 572; myoelectric changes during acquisition of, Oct. 509; and rehearsal, Mar. 158

motor task, novel, variables associated with learning of, Oct. 509

movement control, locus of, Mar. 122

movement time, Mar. 122; and use of feedback, May 369

muscle dominance, in sprinters, May 334
 muscle fiber type composition, May 323
 muscle strength, of women, Oct. 486
 myoelectric changes during skill acquisition,
 Oct. 509

O

omega squared, Oct. 580
 oxygen uptake and heart rate, Dec. 616

N

nonverbal behavior in sport, May 437
 null hypothesis, discussion of, Mar. 23

P

parental psychological support and sport attitudes, Dec. 645
 participation, in leisure activities, Oct. 553; in sports, sex bias in questionnaire about, Dec. 732
 pedometer, accuracy of, Dec. 695
 peer encouragement behavior, Oct. 585
 perceptual motor behavior, relationships with perceptual and cognitive behaviors in children, Oct. 463; training and intelligence, Mar. 174; styles, Mar. 50
 personal attributes controversy, Mar. 110
 personality structure of athletes, Mar. 50
 physical educator/coaches, sociology of, Mar. 110
 physical education faculty and job satisfaction, Dec. 654
 physical education, knowledge obsolescence and, Dec. 636; program priorities, May 389
 Physical Estimation and Attraction Scales, May 286; Dec. 685
 physiological differences between good and elite distance runners, Oct. 521
 play behavior of children, May 422
 practice, and motor control of a coincident timing task, May 369; conditions for learning motor skills, Oct. 509
 prediction equations, in body composition assessment, Mar. 249
 professional obsolescence in PE, Dec. 636
 prelongitudinal screening of motor developmental sequences, Dec. 724
 psychology of sport, Mar. 50, 77; May 306

Q

questionnaires, sex bias in, Dec. 732

R

rackets, tennis, oversized, Dec. 608
 range of hip flexion, exercises for, Dec. 625

reaction time, influence of laterality and fatigue upon, Oct. 501
 rebound velocity characteristics of tennis rackets, Dec. 608
 rehearsal, and motor skills, Mar. 158
 reliability coefficients, Oct. 568
 reliability estimates, for criterion-referenced measures in the psychomotor domain, May 359; of a motor performance test, May 382
Research Quarterly, genealogy of contributors to, Mar. 261; history of, Mar. 1
 response distortion, May 286
 response times, of volleyball players, Oct. 562
 running, analysis of, May 334, Mar. 219; distance, physiological differences, Oct. 521; and exercise heart rate, May 417; and shin splints, Oct. 478

S

self-esteem, and competition, Dec. 675
 self-perceptions, of physical ability and attitude toward physical activity, May 286
 sex bias in questionnaires on sports participation, Dec. 732
 sex-related differences, in sport attitudes, Dec. 645; in $\dot{V}O_2$ max and HR max, Dec. 616
 sex roles model, May 407
 sex-specific factors and aerobic capacity, Oct. 542
 significant others and sport attitudes, Dec. 645
 shin splints, Oct. 478
 skill performance, body segment contributions to, Mar. 219 (see also, motor skills)
 skinfold measurement, Mar. 249
 socioeconomic characteristics and leisure behavior, Oct. 553
 sociology of sport, Mar. 91, 110
 spatial-temporal pattern of movement, May 369
 speed of movement, in volleyball steps, Oct. 562
 sport, and mathematics, Mar. 37; attitudes of children and significant others, Dec. 645; participation, sex bias in open-ended questions about, Dec. 732; psychology, Mar. 50, 77, May 306; sociologists, research by, Mar. 91
 sprint running, kinetic analysis of, May 334
 state anxiety, May 306
 statistical power, discussion of, Mar. 23; significance, Oct. 580
 strength, high and low, of women and endurance, Oct. 486; relationship to endurance, Dec. 714
 student teaching, May 274

T

teachers, behavior of, May 274; differences between inner-city and suburban, Dec. 654;

modeling, effects on children's behavior,
Oct. 585
teaching, student, May 274
tennis, Dec. 608; and mathematics, Mar. 37
timing device for film speed, Oct. 576
torque, leg, Dec. 593; muscle, Mar. 219
track races, May 432
traditional instruction, in motor skills, Oct.
451
trait anxiety, May 306
trait psychology controversy, Mar. 50
treadmill running and max $\dot{V}O_2$, May 315

V

velocity, relationship of to torque and vertical
jump, Dec. 593
vertical jump, Dec. 593
volleyball, Oct. 562

W

winning and losing behavior, May 437
women, % $\dot{V}O_2$ max and % HR max in, Dec.
616; muscle strength of, Oct. 486 (see also,
female)

STATEMENT OF OWNERSHIP RESEARCH QUARTERLY FOR EXERCISE AND SPORT

STATEMENT REQUIRED BY THE ACT OF OCTOBER 23, 1962:
SECTION 4369, TITLE 39, UNITED STATES CODE SHOWING THE
OWNERSHIP, MANAGEMENT, AND CIRCULATION OF THE RESEARCH
QUARTERLY FOR EXERCISE AND SPORT, published four times a year:
March, May, October, December. Published at Lancaster Press, Inc., Prince &
Lemon Sts., Lancaster, PA 17604. The general business office of the publisher
is located at 1900 Association Drive, Reston, VA 22091.

The names and addresses of the publisher, editor, and managing editor are as
follows: Publisher—American Alliance for Health, Physical Education, Recreation,
and Dance, 1900 Association Drive, Reston, VA 22091; Editor—Harold B. Falls,
Box RQ, Southwest Missouri State University, Springfield, MO 65802; Managing
Editor—Nancy Rosenberg, AAHPERD, 1900 Association Drive, Reston, VA
22091.

The owner is: American Alliance for Health, Physical Education, Recreation,
and Dance, 1900 Association Drive, Reston, VA 22091. Names and addresses
of stockholders owning or holding 1 percent or more of total amount of stock:
none. Known bondholders, mortgagees, and other security holders owning or
holding 1 percent or more of total amount of bonds, mortgages, or other
securities: none.

Of the membership dues (\$35.00 per year) \$6.00 covers subscription to the
Research Quarterly for Exercise and Sport.

The average number of copies each issue during the preceding 12 months are:
(A) Total number copies printed (net press run): 12,630, (B) Paid circulation:
(1) sales through dealers and carriers, street vendors and counter sales: none;
(2) mail subscriptions: 11,575, (C) Total paid circulation: 11,575, (D) Free
distribution (including samples) by mail, carriers, or by other means: 855, (E)
Total distribution: 12,430, (F) Copies not distributed: 200, (G) Total: 12,630.
The number of copies, single issue nearest to filing date: (A) Total number
copies printed (net press run): 12,593, (B) Paid circulation: (1) sales through
dealers and carriers, street vendors, and counter sales: none; (2) mail subscrip-
tions: 11,593, (C) Total paid circulation: 11,593, (D) Free distribution (includ-
ing samples) by mail, carrier, or other means: 800, (E) Total distribution:
12,393, (F) Copies not distributed: 200, (G) Total: 12,593.

I certify that the statements made by me above are correct and complete.

(Signed) Nancy Rosenberg
Managing Editor

